

CD1136 – Wadi Heedan/Wala basin

Well CD1136 “DABBA’A NO (S 70)” in the Wadi Heedan/Wala basin is a monitoring well near a pumping center where the aquifer saturated thickness has substantially decreased and where the water level has declined as previously forecast. Clark (2002) forecast that well CD1136 would be dewatered in 8-10 years. During 2002 – 2006, the water level decline was slightly less rapid than the “extreme” forecast of Clark (2002). From late 2006 to early 2008 the water level declined much faster, at an average rate of about -5 m/yr. From early 2008 to early 2009 the water level was flat, perhaps due to a reduction in pumping in the area in 2008. The current water level data provided ends in February 2009. The last depth to water was about 191 m, or about 10 m above the bottom of the well. Since measurement began in 1988, the water level has declined from about 155 m to 191 m, corresponding to a 78 percent reduction in the saturated thickness. That is, at this well the saturated thickness currently remaining (as of early 2009) is only 22 percent of the saturated thickness in 1988.

